

Abstract

A loader assembly is provided according to the invention. The loader assembly includes a boom arm and a bracket assembly. The boom arm includes a tower that includes a plurality of first hydraulic fluid coupler members, a lift arm that rotates
5 relative to the tower about a tower/lift arm rotating pin, and at least one hydraulic cylinder. The bracket assembly includes a stationary bracket that includes a plurality of second hydraulic fluid coupler members. The stationary bracket is constructed for attachment to a motor vehicle and attachment to the tower to provide a fluid connection between the first coupler members and the second coupler members. The rotating
10 bracket rotates relative to the stationary bracket about a bracket rotation pin. The rotating bracket is constructed to receive the tower and rotate the tower for attachment to the stationary bracket. A combination motor vehicle and loader assembly, and methods for operating a loader assembly are provided. Hydraulic cylinders that are ported at one end are also provided.

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